

BURGLAR ALARM SYSTEM HAVING REDUCED WIRING

ABSTRACT

5 Normal hard-wired domestic burglar alarms have cables with
six conductors extending between the alarm controller and
each remote input/output device (such as an entry keypad).
The present alarm system has an alarm controller, a remote
input/output device, a cable extending from the alarm
10 controller to the remote input/output device, the cable
comprising two conductors only, providing power to the
remote input/output device. A signal processor at the
controller monitors and processes voltage and current in
the conductors to affect functions of the alarm system. A
15 mixer at the remote input/output device processes voltage
and current in the conductors to affect functions of the
alarm system.